Name:	KEY	Date:	Period:

Earth/Environmental Science Homework & Test Review

Week 3: April 20th to April 24th
DUE DATE: Friday, April 24th

Weekl	y Reminders	Checklist:
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☐ Test on concepts from Homework 1, 2, and 3 as well as	Pre/Post Survey on Climate Change	, Carbon Cycle,	Mitigation Pl	an and
Current Event: CA Drought is on Thursday April 23 rd .				

■ **Notebook Check** is on Friday, April 24th: Warm-Ups, Updated Table of Contents, Climate Variability, Pre/Post Survey on Climate Change, Mitigation Plan and Current Event: CA Drought.

☐ Have you checked PowerSchool to see if you have any missing assignments?

Research Questions for this Week: Conduct your own research using the library, textbook, classroom computers and internet resources to answer the following questions.

Earth Day

1. When is Earth Day this year? (Month and Day)	April 22 ^{na}
1. When is Earth Day this year? (Month and Day)	APIII &&

2. When was the first Earth Day celebration in the United States? (Month, Day, Year) ___April 22, 1970___

3. How do you think the celebration of Earth Day has helped in preventing pollution?

____Earth Day has helped make the general population more aware of good practices that benefit the Earth's health. _____

Recycling

4. Draw the universal symbol for recycling:



5. Identify the following materials as recyclable (R) or not recyclable (NR).

Helpful Resources: http://www.wm.com/thinkgreen/what-can-i-recycle.jsp

http://www.energysavings.com/blog/10-things-you-cant-throw-in-your-recycling-bin

R
NR
R

Paper	R
Ceramics	NR
Aluminum Foil	R
Green Glass	R
Containers	

Milk Jug	R
Plastic Water	R
Bottle	
Styrofoam	NR
Batteries	R

6. What is a landfill?

A landfill is a place to dispose of trash and other waste material by burying it and veering it with soil.

7. What is a benefit of recycling?

Recycling reduce the amount of waste sent to landfills and incinerators; conserves natural resources such as timber, water and minerals. Also, recycling prevents pollution by reducing the need to collect new raw materials.

atural resources are materials or things that people use from the earth. There are two types of natural resources. The first are renewable natural resources. They are called renewable because they can grow again or never run out. The second are called nonrenewable natural resources. These are things that can run out or be used up. They usually come from the ground.

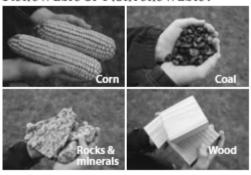
na ti e

Let's look more closely at renewable natural resources. They are the ones that can grow again. Trees are a good example. If cut down, they can regrow from seeds and sprouts. Animals are

another example. Baby animals are born and grow up. They replace older animals that die.

Air and water are renewable natural resources too. They don't regrow like trees or have babies like animals. But, they are always being renewed. They move in cycles. They go from one place to another, and often back where they started, again and again. This is a good thing, because all living things need air and water to survive. There is one other type of renewable natural resource. It includes sources of power like sun and wind energy. These are never ending. Finally, remember this: renewable resources can regrow or be replaced within a person's lifespan.

Renewable or Nonrenewable?



Now, let's look at nonrenewable natural resources. They are found in the ground. There are fixed amounts of these resources. They are not

living things, and they are sometimes hard to find. They don't regrow and they are not replaced or renewed. They include the fossil fuels we burn for energy (natural gas, coal, and oil). Minerals, used for making metals, are also nonrenewable natural resources. Nonrenewable natural resources are things that take longer than a person's lifespan to be replaced. In fact, they can take millions of years to form.

People use both types of natural resources to produce the things they need or want. Our homes, clothing, plastics, and foods are all made from natural resources. Let's look at each one of these to be sure.

Your home is in a building. Buildings are made out of wood and minerals. Wood is from trees. Minerals are mined from the ground. Bricks, cement, and metals are made from minerals. How about your clothes? Most of your clothing is made from cotton, polyester, or nylon. Cotton comes from cotton plants. Polyester and nylon are made from oil. Plastics are made from oil too. How about your food? People eat grains, fruits,

and other parts of plants. You may also enjoy dairy products and meat from animals. Everything we have or use is made from a natural resource. Which of those mentioned here are renewable? Which are nonrenewable?

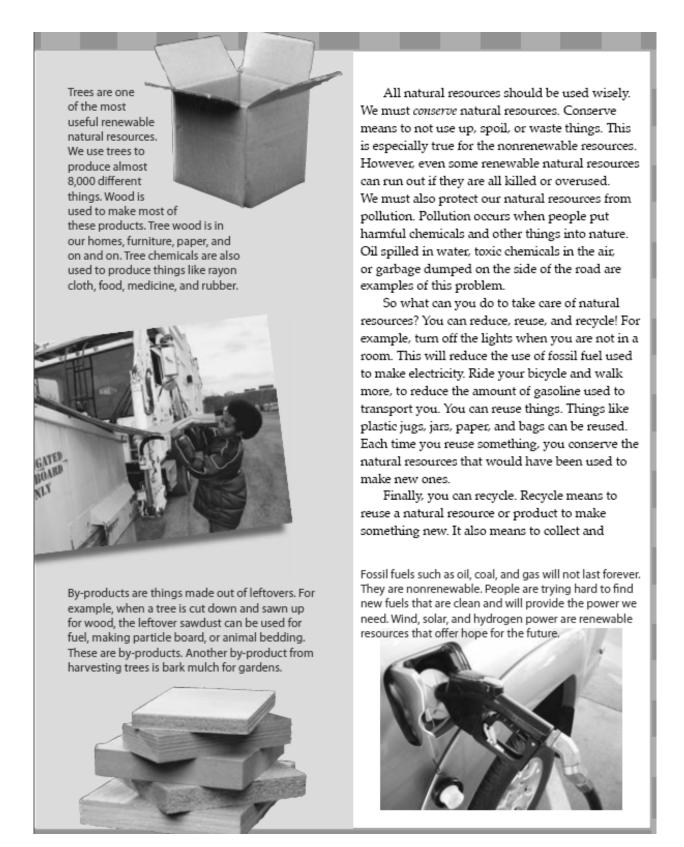


8. What is the difference between a renewable and non-renewable resource?

Renewable resources are easily replenished whereas non-renewable resources either cannot be replenished or take a super-super long time to be replenished.

9. Identify the following as a renewable (R) or non-renewable (NR) resource:

Corn R Rocks & Minerals NR Coal NR Wood R	Corn R	Rocks & Minerals NR		Wood R
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10. Why must we conserve natural resources?

Because we have a limited supply of natural resources it is important to conserve them in order to have them for future generations.

send these things for reuse.

Items that can be easily recycled include: glass, some plastics, paper, cardboard, aluminum, and steel.

Some plastics and metals are hard to recycle. They are often made



Universal recycling symbol

from mixtures of materials. Mixtures can be hard to separate. Try to buy and use things that you can recycle.

Natural resources, both renewable and nonrenewable, are important to all of us. We must conserve and carefully use natural resources. Our future depends on them.



Where does your garbage go when you throw it away? One place it goes is to a landfill. A landfill is a place made for safely putting garbage. Garbage must stay closed in the landfill so it doesn't pollute the ground, air, or water. Another place that garbage can go is into an incinerator. An incinerator is a large oven that burns garbage down to ashes. The ashes are then put in a landfill. A third place that some types of garbage can go is into a compost pile. A compost pile is made from natural garbage such as food scraps, leaves, and grass clippings. Compost piles help this garbage rot. After it rots, it can be put back on the earth to fertilize plants. The movement of garbage from a home or community to one of these places, like a landfill, is called the waste stream.



Nutrients are chemicals that living things need. They are renewable natural resources. They move round and round in cycles and never run out. When an animal eats a plant, it takes in nutrients. The nutrients are used in the animal's body and then many come out as waste, which returns the nutrients to the soil. When the animal dies, nutrients will return to the soil as well. Plants take up the nutrients in the soil and continue the cycle.

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11. What is the difference between garbage placed in landfill versus a compost pile?

Landfills are not designed to break down organic waste, instead the items are thrown together and buried. A compost pile on the other hand is able to break down yard trimmings and food scraps to make a usable fertilizer.